

DSEEXTRA[®] BATTERY CHARGERS AND EXPANSION MODULES.

DSE9120 & DSE9240

12 AND 24 VOLT SWITCH MODE BATTERY CHARGERS



The DSE9120 is a 7.3 Amp battery charger suitable for 12 Volt lead-acid batteries. The DSE9240 is a 3.5 Amp battery charger suitable for 24 Volt lead-acid batteries.

Both chargers are designed to be permanently connected to automotive batteries, keeping them charged to their maximum capacity. The chargers can also be used to supply a standing load that is attached to a battery. To improve reliability the chargers do not include any moving parts. The technology inside the chargers has been designed to avoid overcharging and overloading.

The chargers will also continue to operate during cranking and running and have the ability to accept multiple AC voltage connections.

FEATURES

- Lightweight
- Compact design
- Can remain operational during engine cranking and running
- Suitable for connection to a wide range of AC voltages between 100V and 240V, 50Hz or 60Hz
- No moving parts
- Switch mode design
- Overload & short circuit protection
- LED charging indicator
- Convection cooling
- Minimum 80% efficiency throughout full operating range

OPERATION

The charger has been designed to supply current to a battery until the battery terminal voltage is equal to the set float voltage. After this it will change to a trickle charge current. When the battery voltage falls, due to a load being applied and the battery being discharged, the charger will supply current to restore the voltage of the battery to the float voltage.



SPECIFICATION

DC OUTPUT

12V DC or 24V DC Nominal

AC INPUT

100V - 240V 50Hz/60Hz 2.5A Max

OUTPUT CURRENT

7.3A @ 13.7V DC
3.5A @ 27.4V DC

REGULATION

Line 1%
Load 1%

CASE

Aluminium Anodised

DIMENSIONS

206mm x 136mm x 57mm
8.1" x 5.4" x 2.2"

WEIGHT

1.16 kg (2.55 lb)

PROTECTIONS

Short Circuit, Over Voltage,
Over-current, Reverse Polarity

INDICATIONS

Charger On LED

VIBRATION

2g 10Hz - 500Hz 3 axes

RELIABILITY

200,000 MTBF per MIL-HDBK-217F

OPERATING TEMPERATURE RANGE

0°C to +50°C, 5% - 95% RH non-condensing
(-45°C to +85°C Storage)

ENVIRONMENTAL TESTING STANDARDS

COMPLIANCE

EN55022 Class B, EN61000-3-2,
EN61000-3-3, EN50081-1, EN50082-1

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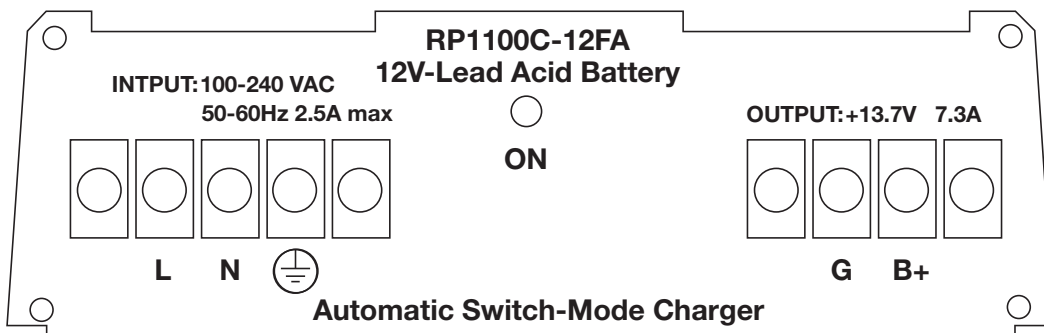
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